RUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

EXCECUTIVE ENGINEER, PROJECT DIVISION

SCHEDULE - B

Name of Work: Improvements and Construction of CC Road and Drains at M.S Ramaiah Layout and Havnoor Extn Surrounding roads in Ward no 14 Bagalagunte.

Name of the Contractor:R.Shivaram

Sl No	Description of Work	Unit	Approved	
			Qty	Negotiated Rate
1	Earthwork excavation by manual means for roads,drians& Similar works in ordinary excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications & as per the Direction of Engineer in Charge of work.	Cum	1663.18	230.44
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. & as per the Direction of Engineer in Charge of work	Cum	303.4	6018.31
3	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, mechine mixed ,well compacted for walls and bottom includeing centering,shuttering,cost of material,HOM of machinery,curing etc., complete excluding cost steel as per MORTH specification No.1500,1700,2200, including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Wall & bottom thickness 15cm & as per the Direction of Engineer in Charge of work	Cum	571.43	7847.92
4	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. & as per the Direction of Engineer in Charge of work	Cum	103.88	6606.61
5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. & as per the Direction of Engineer in Charge of work	Tonne	40.63	82131.39

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6	Providing and Fixing RCC precast cover slab 250 mm thick made out of CC1:1.5:3 and jelly 20 mm down size with steel reinforcement including form work,curing,including cost of all materials,lobour,hire charges of machinery,loading, unloading ,lead and lift, transportation etc., complete (Data rate) & as per the Direction of Engineer in Charge of work	Sqm	76.8	5817.51
7	Providing and Fixing RCC precast cover slab made out of 1:2:4 with 10cm thick and Finishing cutting,including form work,curing,includinh cost of all materials,lobour,hire charges of machinery,loading, unloading ,lead and lift, transportation etc., complete (Data rate) & as per the Direction of Engineer in Charge of work	Sqm	505.28	2450.88
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc., Complete. Using 10cm thick slabs & as per the Direction of Engineer in Charge of work	Sqm	505.28	1073.06
9	Providing two line dressing to granite stone slab/granite stone masonary as per specifications & as per the Direction of Engineer in Charge of work	Sqm	505.28	1759.02
10	Providing Chamfering edges to stone slab 2.5 cms wide as per specifications & as per the Direction of Engineer in Charge of work	m	505.28	68.24
11	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. & as per the Direction of Engineer in Charge of work	No	2759	480.05
12	Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 0.90kg/sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour, HOM of machineries complete as per specifications. & as per the Direction of Engineer in Charge of work	Sqm	496.56	51.77
13	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. & as per the Direction of Engineer in Charge of work	Sqm	496.56	94.13
14	Earthwork excavation by manual means for roads,drians& Similar works in ordinary excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications & as per the Direction of	Cum	634.5	230.44
15	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	211.5	2221.42
16	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. & as per the Direction of Engineer in Charge of work	Cum	211.5	6018.31

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17	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) & as per the Direction of Engineer in Charge of work	cum	211.5	5784.17
18	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. & as per the Direction of Engineer in Charge of work	Sqm	1410	80.01

CONTRACTOR

Executive Engineer
Project division
Dasarahalli Zone, BBMP

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